

ABSTRACT

A motion control system having a set of control nodes each of which controls motion along a single axis of the motion control system and which  
5 coordinate their collective motions using time synchronization technology. Each control node corresponds to an axis of the motion control system and each control node includes a synchronized clock and participates in a protocol for synchronizing the  
10 synchronized clocks. The application of a series of control values to each axis in the motion control system is coordinated using the synchronized clocks.